

Claims

1. A security paper for producing value documents, such as bank notes, checks or the like, consisting of a creasable, multilayer substrate comprising at least one paper layer and at least one film which are disposed at least partly one over the other, characterized in that at least the film is equipped with at least one security feature.
2. A security paper according to claim 1, characterized in that the multilayer substrate consists of a paper layer coated on both sides at least partly with film.
3. A security paper according to claim 1 or 2, characterized in that the paper layer is coated all over with film.
4. A security paper according to at least one of claims 1 to 3, characterized in that the paper layer is interrupted.
5. A security paper according to at least one of claims 1 to 4, characterized in that the security feature of the film is selected from a printed image, diffraction structures, a metallization, luminescent substances, thin-film elements, liquid crystals, magnetic pigments, thermochromic substances, photochromic substances and dyes.
6. A security paper according to at least one of claims 1 to 5, characterized in that the security feature is a printed image executed by intaglio printing.
7. A security paper according to at least one of claims 1 to 6, characterized in that in the case of a plurality of films, they have different stretch.
8. A security paper according to at least one of claims 1 to 7, characterized in that the security paper consists of annual fibers, in particular cotton fibers.
9. A security paper according to at least one of claims 1 to 8, characterized in that the security paper consists at least partly of synthetic fibers, preferably polyamide fibers.

10. A security paper according to at least one of claims 1 to 9, characterized in that the paper ply is equipped at least with a security feature.
11. A security paper according to at least one of claims 1 to 10, characterized in that the security feature in the paper ply is a watermark.
12. A security paper according to at least one of claims 1 to 10, characterized in that the security feature of the paper layer is selected from a security thread, printed image, diffraction structures, a metallization, luminescent substances, thin-film elements, liquid crystals, magnetic pigments, thermochromic substances, photochromic substances and dyes.
13. A security paper according to at least one of claims 1 to 12, characterized in that the security features of the paper layer, the film and/or further layers are applied or incorporated in register.
14. A security paper according to at least one of claims 1 to 13, characterized in that the security features of the paper ply, the film and/or further layers are applied or incorporated such that they complement each other to form total information.
15. A value document such as a bank note, check or the like, characterized in that the value document has a creasable substrate according to at least one of claims 1 to 14.
16. A method for producing a creasable security paper according to at least one of claims 1 to 14, characterized in that
 - a) at least one paper layer is produced in a paper machine, and
 - b) then a film is applied at least partially to at least one of the surfaces of the paper layer, the film being already equipped with at least one security feature or equipped therewith after application.
17. A method according to claim 16, characterized in that the film is printed after application.

18. A method according to claim 17, characterized in that the printing process is in-taglio printing.
19. A method according to at least one of claims 16 to 18, characterized in that the film is cold-laminated on the paper layer.
20. A method according to claim 19, characterized in that a water-soluble laminating adhesive is used in cold-lamination.
21. A method according to at least one of claims 16 to 18, characterized in that the film is extruded onto the paper layer.